

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Paoletti, *et al.*  
Appl. No.: to be assigned  
Filed: herewith  
For: **System for Co-Culturing Bacteria and Eukaryotic Cells**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**DECLARATION (37 C.F.R. § 1.63) AND POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the application identified above.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119, of any United States provisional applications or foreign application(s) for patent or inventor's certificate or of any PCT International Application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International Application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application on which priority is claimed:

<u>Application Serial No.</u>	<u>Country</u>	<u>Filing Date (Day/Month/Year)</u>	<u>Priority Claimed (Yes/No)</u>
60/279,436	United States	March 29, 2001	Yes

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT International Application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status (Patented, Pending, Abandoned)</u>
-----------------------------------	--------------------	--

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint William P. Atkins, Reg. No. 38,821; Jack S. Barufka, Reg. No. 37,087; G. Paul Edgell, Reg. No. 24,238; Stephen C. Glazier, Reg. No. 31,361; Adam R. Hess, Reg. No. 41,835; David A. Jakopin, Reg. No. 32,995; G. Lloyd Knight, Reg. No. 17,698; Dale S. Lazar, Reg. No. 28,872; Mark G. Paulson, Reg. No. 30,793; Glenn J. Perry, Reg. No. 28,458; Michael A. Sanzo, Reg. No. 36,912; Paul L. Sharer, Reg. No. 36,004; George M. Sirilla, Reg. No. 18,221; Roger R. Wise, Reg. No. 31,204; Richard H. Zaitlen, Reg. No. 27,248, all registered to practice before the Patent and Trademark Office, as my attorneys with full power of substitution and revocation to prosecute this application and all divisions and continuations thereof and to transact all business in the Patent and Trademark Office connected therewith and request that all correspondence and telephone communications be directed to the following person(s) at the mailing address and telephone number hereafter given:

Name: Michael A. Sanzo  
Registration No.: 36,912  
Address: Pillsbury Winthrop LLP  
1600 Tysons Boulevard  
McLean, VA 22102  
Telephone No.: (703) 905-2000

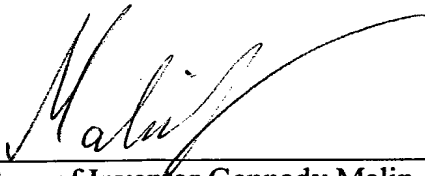
\_\_\_\_\_  
Signature of Inventor Lawrence C. Paoletti

\_\_\_\_\_  
Date

Residence: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887

Citizenship: United States

Post Office Address: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887



\_\_\_\_\_  
Signature of Inventor Gennady Malin

\_\_\_\_\_  
Date

05/29/2002

Residence: 65 Elgin Street  
Newton, Massachusetts 02459

Citizenship: Israel

Post Office Address: 65 Elgin Street  
Newton, Massachusetts 02459

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Paoletti, *et al.*  
Appl. No.: to be assigned  
Filed: herewith  
For: **System for Co-Culturing Bacteria and Eukaryotic Cells**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**DECLARATION (37 C.F.R. § 1.63) AND POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the application identified above.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119, of any United States provisional applications or foreign application(s) for patent or inventor's certificate or of any PCT International Application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International Application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application on which priority is claimed:

<u>Application Serial No.</u>	<u>Country</u>	<u>Filing Date (Day/Month/Year)</u>	<u>Priority Claimed (Yes/No)</u>
60/279,436	United States	March 29, 2001	Yes

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT International Application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status (Patented, Pending, Abandoned)</u>
-----------------------------------	--------------------	--

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint William P. Atkins, Reg. No. 38,821; Jack S. Barufka, Reg. No. 37,087; G. Paul Edgell, Reg. No. 24,238; Stephen C. Glazier, Reg. No. 31,361; Adam R. Hess, Reg. No. 41,835; David A. Jakopin, Reg. No. 32,995; G. Lloyd Knight, Reg. No. 17,698; Dale S. Lazar, Reg. No. 28,872; Mark G. Paulson, Reg. No. 30,793; Glenn J. Perry, Reg. No. 28,458; Michael A. Sanzo, Reg. No. 36,912; Paul L. Sharer, Reg. No. 36,004; George M. Sirilla, Reg. No. 18,221; Roger R. Wise, Reg. No. 31,204; Richard H. Zaitlen, Reg. No. 27,248, all registered to practice before the Patent and Trademark Office, as my attorneys with full power of substitution and revocation to prosecute this application and all divisions and continuations thereof and to transact all business in the Patent and Trademark Office connected therewith and request that all correspondence and telephone communications be directed to the following person(s) at the mailing address and telephone number hereafter given:

Name: Michael A. Sanzo  
Registration No.: 36,912  
Address: Pillsbury Winthrop LLP  
1600 Tysons Boulevard  
McLean, VA 22102  
Telephone No.: (703) 905-2000

  
\_\_\_\_\_  
Signature of Inventor Lawrence C. Paoletti

3/26/02  
\_\_\_\_\_  
Date

Residence: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887

Citizenship: United States

Post Office Address: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887

\_\_\_\_\_  
Signature of Inventor Gennady Malin

\_\_\_\_\_  
Date

Residence: 65 Elgin Street  
Newton, Massachusetts 02459

Citizenship: Israel

Post Office Address: 65 Elgin Street  
Newton, Massachusetts 02459



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

AUGUST 22, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

PILLSBURY WINTHROP LLP  
MICHAEL A. SANZO  
1600 TYSONS BLVD.  
MCLEAN, VA 22012



\*102134734A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/13/2002

REEL/FRAME: 013012/0018  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PAOLETTI, LAWRENCE C.

DOC DATE: 03/26/2002

ASSIGNOR:

MALIN, GENNADY

DOC DATE: 06/02/2002

ASSIGNEE:

BRIGHAM AND WOMEN'S HOSPITAL,  
INC., THE  
75 FRANCIS STREET  
BOSTON, MASSACHUSETTS 02115

SERIAL NUMBER: 10100177  
PATENT NUMBER:

FILING DATE: 03/19/2002  
ISSUE DATE:

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

06-26-2002

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



To the Honorable Commissioner of P

102134734

d original documents or copy thereof.

## 1. Name of conveying party(ies):

Lawrence C. Paoletti and Gennady Malin

6.13.02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

JUN 13 2002

## 3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Other☐ Merger☐ Change of Name

Execution Date: March 26, 2002 and June 2, 2002

## 2. Name and address of receiving party(ies):

Name: The Brigham and Women's Hospital, Inc.

Internal Address:

Street Address: 75 Francis Street

City/State/ZIP: Boston, Massachusetts 02115

Additional name(s) &amp; address(es)

attached?

☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/100,177

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Sanzo

Internal Address:

Street Address: Pillsbury Winthrop LLP  
1600 Tysons Boulevard

City/State/ZIP: McLean, VA 22012

## 6. Total number of applications and patents involved:

1

7. Total Fee (37 C.F.R. § 3.41) ..... \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account (see below)

## 8. Deposit account number:

03-3975 under Order No. 81994/284938

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael A. Sanzo  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

5

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

FORM6-03.WP5

06/25/2002 DBYRNE 00000095 033975 10100177

01 FC:581

40.00 CH



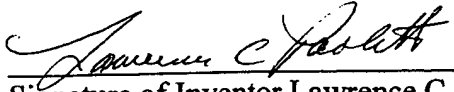
**Assignment to The Brigham and Women's Hospital, Inc.**

Applicant(s): Paoletti, *et al.*  
Appl. No.: to be assigned  
Filed: herewith  
For: **System for Co-Culturing Bacteria and Eukaryotic Cells**

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt of which is hereby acknowledged, I do hereby assign and transfer unto The Brigham and Women's Hospital, Inc. (hereinafter "BWH"), a not-for-profit organization of the State of Massachusetts, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to BWH, its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to BWH, or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to BWH; make all rightful oaths; and generally do everything possible to aid BWH, its

successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

  
\_\_\_\_\_  
Signature of Inventor Lawrence C. Paoletti

3/26/02  
\_\_\_\_\_  
Date

Address: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887

\_\_\_\_\_  
Signature of Inventor Gennady Malin

\_\_\_\_\_  
Date

Address: 65 Elgin Street  
Newton, Massachusetts 02459

**Assignment to The Brigham and Women's Hospital, Inc.**

Applicant(s): Paoletti, *et al.*  
Appl. No.: to be assigned  
Filed: herewith  
For: **System for Co-Culturing Bacteria and Eukaryotic Cells**

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt of which is hereby acknowledged, I do hereby assign and transfer unto The Brigham and Women's Hospital, Inc. (hereinafter "BWH"), a not-for-profit organization of the State of Massachusetts, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to BWH, its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to BWH, or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to BWH; make all rightful oaths; and generally do everything possible to aid BWH, its

successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

\_\_\_\_\_  
Signature of Inventor Lawrence C. Paoletti

\_\_\_\_\_  
Date

Address: 16 Patch's Pond Lane  
Wilmington, Massachusetts 01887



\_\_\_\_\_  
Signature of Inventor Gennady Malin

\_\_\_\_\_  
Date

06/02/2002

Address: 65 Elgin Street  
Newton, Massachusetts 02459